

SECURE DROP BOX

CLAIMS

I claim:

1. A secure enclosure enclosing a secure compartment for storing items; including:
 - 2 a doorway for access to said secure compartment;
 - a hasp;
 - 4 a door for covering said doorway, movable between an open position providing access to said secure compartment through said doorway and a closed position preventing
 - 6 access to said secure compartment through said doorway; including:
 - an inside surface facing said secure compartment; and
 - 8 an outside surface opposite said inside surface;
 - a rotary shackle padlock; including:
 - 10 a body;
 - a rotary shackle movable between a locked position and an unlocked
 - 12 position; and
 - rotary shackle drive means for moving said rotary shackle between locked
 - 14 and unlocked positions;
 - said rotary shackle padlock rigidly attached to said door such that said rotary shackle
 - 16 engages said hasp to secure said door in the closed position; and such that said body of said rotary shackle padlock cannot move relative to said door; and such that said rotary
 - 18 shackle drive means is available for use.
2. The secure enclosure of claim 1; wherein said rotary shackle padlock is attached to
 - 2 said outside surface of said door.
3. The secure enclosure of claim 1, said enclosure further including:
 - 2 a lock housing for mounting said rotary shackle padlock upon said secure enclosure; said lock housing attached rigidly to said secure enclosure and providing
 - 4 reinforcement to said body of said rotary shackle padlock.

4. The secure enclosure of claim 3, said lock housing being attached to said outside
2 surface of said door.
5. The secure enclosure of claim 4, said secure enclosure further including:
2 an aperture through said door; and said hasp including:
a tongue; including:
4 a free end protruding from said secure enclosure and through said aperture
when said door is in its closed position; and
6 a bore through said free end, adapted to receive said rotary shackle of said
rotary shackle padlock.
6. The secure enclosure of claim 3, said lock housing including:
2 a back for contact with said door; including:
two holes for passage of screws;
4 two sides connected to said back;
a bottom connected to said back for supporting said rotary shackle padlock and
6 for preventing movement of said rotary shackle padlock downward relative to said door;
a first, countersunk, screw for attaching said lock housing to said door; and
8 a second, non-countersunk, screw for retaining said rotary shackle padlock against
upward movement relative to said lock housing and for attaching said lock housing to
10 said door; wherein said sides of said lock housing are adapted for snugly holding said
body of said rotary shackle padlock against lateral or outward movement relative to said
12 door.
7. The secure enclosure of claim 1, said secure enclosure further including:
2 unsecured portal means for easily adding items to said secure compartment.
8. The secure enclosure of claim 7, said enclosure further including:
2 baffle means for preventing removal of items from said secure compartment
through said unsecured portal means.

9. The secure enclosure of claim 6, said sides of said lock housing including:
2 grip means for improving a person's grip on said housing.
10. The secure enclosure of claim 7, said secure enclosure being adapted for receiving
2 and storing mail.
11. The secure enclosure of claim 7, said secure enclosure being adapted for receiving
2 and storing items of evidence for a law enforcement agency.
12. The secure enclosure of claim 7, said secure enclosure being adapted for receiving
2 and storing keys and sets of keys attached to keyrings.
13. In combination:
2 an enclosure for storage of items; including:
 a door movable between an open position and a closed position; including:
4 an exterior face; and
 an interior face; and
6 a hasp;
 a rotary shackle padlock; including:
8 a body;
 a rotary shackle movable between a locked and an unlocked position; and
10 rotary shackle drive means; and
 a lock lock housing attached to said door for rigidly attaching said rotary shackle
12 padlock to said door such that said rotary shackle, in the locked position, engages said
 hasp to lock said door in the closed position; and such that said rotary shackle drive
14 means is available when said door is locked; and such that said lock lock housing
 reinforces said body of said rotary shackle padlock .
14. The combination of claim 13, said lock lock housing including:
2 a back for contact with said door; including:
 two holes for passage of screws;

4 two sides connected to said back;
 a bottom connected to said back for supporting said rotary shackle padlock and
6 for preventing movement of said rotary shackle padlock downward relative to said door;
 a first countersunk screw for attaching said lock housing to said door; and
8 a second non-countersunk screw for retaining said rotary shackle padlock against
upward movement relative to said housing; wherein said sides of said lock housing
10 are adapted for snugly holding said body of said rotary shackle padlock against lateral or
outward movement relative to said door.

15. The combination of claim 14, said lock housing disposed on said exterior face of
2 said door such that said lock housing and said rotary shackle padlock are readily
visible when said door is in a closed position.

16. A secure mailbox; including:
2 an enclosure; including:
 a front wall;
4 a back wall;
 a pair of side walls; and
6 a top; said front wall, said back wall, said pair of side walls, and said top
connected together to enclose :
8 a receiving compartment; including:
 a tunnel; including:
10 a hatch for depositing items into said receiving
compartment; and
12 a secure compartment; and
 secure access means providing access to said secure compartment; including:
14 a hasp;
 a door, movable between an open position providing access to said
16 secure compartment and a closed position preventing access to said secure compartment;
including:
18 an inside surface facing said secure compartment; and

an outside surface opposite said inside surface;
20 a rotary shackle padlock; including:
a body;
22 a rotary shackle movable between a locked position and an
unlocked position; and
24 rotary shackle drive means for moving said rotary shackle
between locked and unlocked positions;
26 said rotary shackle padlock rigidly attached to said door such that said rotary shackle
engages said hasp to secure said door in the closed position; and such that said body of
28 said rotary shackle padlock cannot move relative to said door; and such that said rotary
shackle drive means is available for use.

17. The secure mailbox of claim 16; wherein said rotary shackle padlock is attached to
2 said outside surface of said door.

18. The secure mailbox of claim 17, said mailbox further including:
2 a lock lock housing for mounting said rotary shackle padlock upon said secure
mailbox; said lock lock housing attached rigidly to said secure mailbox and providing
4 reinforcement to said body of said rotary shackle padlock.

19. The secure mailbox of claim 18, said lock lock housing including:
2 a back for contact with said door; including:
two holes for passage of screws;
4 two sides connected to said back;
a bottom connected to said back for supporting said rotary shackle padlock and
6 for preventing movement of said rotary shackle padlock downward relative to said door;
a first, countersunk, screw for attaching said lock lock housing to said door; and
8 a second, non-countersunk, screw for retaining said rotary shackle padlock against
upward movement relative to said lock lock housing and for attaching said lock lock
10 housing to said door; wherein said sides of said lock lock housing are adapted for snugly

holding said body of said rotary shackle padlock against lateral or outward movement
12 relative to said door.

20. The secure mailbox of claim 16, said mailbox further including:

2 baffle means for preventing removal of items from said secure compartment
through said hatch.